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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

COUNTRY USSR

Specifications of the 'PAB' and 'LB-1' ortillery SUBJECT Aiming Circles

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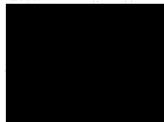
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- 1. "New periscopic artillery aiming circles (bussol) 'PAB' and 'IB-1' have now replaced the old artillery miming circle 'BMT' of Mikhailovski-Turov. Information dated early 1954./
- 2. "By means of the 'TMB' and 'MB-1' one can"
 - Very exectly men we aminal and bostcontal angles
 - Determine the azimuth of the direction (b)

 - Use both diming all los as an insurument of observation because distances by seems of the angle-measuring net of the me necular of the wining girels and a range-finding tod.
- 3. "The basic advantage of the above aiming circles is that with them one can work and make observations in a shelter.
- 4. "'PAB' consists of:
 - 'm 'orientator-miming' sircle
 - in angle-measuring device of great precision (b)
 - (c) in optical part:
 - (1) a sighting monocular and(2) a periscopic device

Technical data:

Magnification - 4x Field of vision, without periscope - 8030' Field of vision, with periscope - 50 Periscopism (periskopishnost) - 350 mm Weight of miming circle with periscope - 1.89 kg Weight of total equipmenut miming circle, periscope and tripod - 6.5 kg

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5. "'LB-l' consists of:

(a) An orientator-siming circle
(b) An angle-measuring device of great precision
(c) An optical part:
(d) a sighting monocular and
(2) a periscopic device

Technical data:

Magnification - 8x (old models 6x) Field of vision without periscope - 60 Field of vision with periscope - 1.50 Illumination - 6.25 Periscopism - 400 mm.

6. "Other aiming circles in use are:

BBT - very exact iming circle (binocular) OB - lightened liming circle"

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